

Stepping switch trouble chart

Problem	Probable Cause
I. Will not step off home position	1. Auto/manual switch on A5 console not in auto. 2. Micro switch 153 not giving inductrol down indication. 3. Reset relay K19 not energized (check control indicator lights). 4. Control not reset. Reset button located on filament supply door.
II. Will not step off position 1.	1. Micro switch 152 not giving inductrol down indication.
III. Will not step off position 2.	1. No indication K7 is latched.
IV. Will not step off position 3.	1. No Indication K6 is latched.
V. Will not step off position 4.	1. Filament contactor did not pull in (see 2-4 below). 2. K4 and K5 did not unlatch. 3. K13 not energized(check time delay relays K16 & K17) 4. Control not reset. Reset button located on filament supply door. 5. Micro switch 153 not giving inductrol <u>not</u> down indication.
VI. Will not step off position 5 back to home position.	1. Micro switch 153 not giving inductrol <u>not</u> down indication.

7835 Filament Power Supply

Functions of the Stepping switch

Position	Function causing it to step	Other Functions
Home	Inductrol indicates down via micro switch 153.	1. Energizes overload relay K15 to inhibit sequence if K7 is already latched
Position 1.	Inductrol indicates down via micro switch 152.	
Position 2.	Inductrol K7 has latched.	1. Latches K7. 2. Starts K17 10 sec. time delay.
Position 3.	Inductrol K6 has latched.	1. Latches K6 (This should energize K9 & K10 which in turn pull in K13)
Position 4.	Micro switch 153 indicates inductrol has started moving up. This must occur before K17 or K16 time out (10 sec).	1. Unlatches K4 & K5 which also causes K8 & K11 to drop out 2. Pull in filament contactor A3K3 which starts inductrol running up. 3. Starts K16 & K17 time delay relays.
Position 5.	Inductrol indicates not down via micro switch 152.	1. Gives repeated steps until stepping switch has returned to home position.



